

Section D

300 Area Facility Transition

PROJECT MANAGERS

B. Bilson, RL
(509) 376-6628

L.J. Olguin, FH
(509) 372-8233

DOE/RL-2000-76, Rev. 25

INTRODUCTION

The 300 Area Facility Transition, Project Baseline Summary (PBS) RL-RC06, Work Breakdown Structure (WBS) 3.1.6, consists of 324 and 327 Facility Safe Shutdown, Miscellaneous Radiological Facilities Deactivation, and Project Management and Support.

NOTE: Unless otherwise noted, all information contained herein is as of the end of November 2002.

No EA, DOE-HQ, and RL milestones were due during this reporting period. One overdue FY 2002 milestone was deleted by approved Baseline Change Request (BCR) as a result of the delayed award of the River Corridor contract (see Milestone Achievement section).

NOTABLE ACCOMPLISHMENTS

The 324 Building staff shipped the final container of Spent Nuclear Fuel (SNF) to the 200 Area Interim Storage Area (ISA) completing the removal of all SNF that had been stored in the 324 Building and moving about 650,000 curies of radioactivity away from the City of Richland and the Columbia River. According to plan, the igniter for the Cold Smoke Generator was shipped to the Protection Technology Hanford Technical Security group to be used for training, the size reduction of the boiling reactor saw was completed and one drum of Polychlorinated biphenyl (PCB) ballasts was shipped to the PCB Storage Site in the 400 Area.

The 327 Building staff moved closer to cell characterization and removal with the completion of the gamma camera data acquisition in G Cell finding that low level contamination is fairly evenly distributed, and finding one small higher level contamination area in the seam of the cell pan. Additionally, the efficiency testing of all of the facility's high efficiency particulate air (HEPA) filters was completed and the decontamination hood HEPA filters were changed out.

The 300 Area Miscellaneous Facilities staff completed three of four water isolations for the 333 Building and shipped nine drums and five boxes of low-level waste as planned. In addition, approval of the Basis of Interim Operation/Technical Safety Requirements (BIO/TSR) was approved by RL.

SAFETY

All Central Plateau Remediation Project (CP) Safety and Conduct of Operations information is reported in section G.

BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

Breakthroughs

Monolithic Removal of 327 Hot Cells — Intact removal of the 327 hot cells appears to be a technically feasible approach to accelerated 300 Area closure and to have potentially significant ALARA and schedule/cost benefits. Certification that the hot cells can be disposed of as non-Transuranic (TRU) waste is key to adopting monolithic removal as the technical baseline. The Central Plateau Remediation Project (CP) was successful in obtaining Accelerated Site Technology Deployment (ASTD) funding to purchase in-situ characterization instruments that will lead to the eventual low-level waste certification. Deployment of three of the four instruments (Copper Foil Activation, Neutron Detection Instrument Pod, and the Cartogram Gamma Camera) in the 327 G and H hot cells is complete. The contamination in both

cells is relatively uniformly distributed and is significantly less than the amount that would necessitate disposal as TRU waste.

Opportunities for Improvement

None to report.

UPCOMING ACTIVITIES

Contract Transition — Support transfer of FH scope to River Corridor Closure Contract (RCCC). Received a modification that changed the date from July 1, 2002, to "at direction of the Contracting Officer." FH ready to initiate transition upon direction from RL.

MILESTONE ACHIEVEMENT

FH Contract Milestones

MSN	Title	Type	Due Date	Actual Date	Forecast Date	Status/Comments
TRP-02-701	Support RCP Contract Transition Plan	PI	6/30/02	N/A	TBD	Deleted per BCR RC06-01-010. Approved 11/11/02.
TRP-03-912	SNF Segments/Fragments Packaging and Removal Complete	RL	2/28/03	11/19/02	11/20/02	Completed ahead of schedule.
TRP-03-911	SNF Assemblies/Rods Packaging and Removal Complete	RL	3/28/03	11/7/02	11/20/02	Completed ahead of schedule.
TRP-00-915	324 LWHS Ready for Use	RL	9/30/03		9/30/03	On Schedule.

PERFORMANCE OBJECTIVES

Outcomes: Restore the River Corridor for Multiple Uses

Performance Indicator	Status
FHI-M8 – 300 Area Cleanup	Contract Modification Number 166 (Mod. 166) supersedes all elements of M8 except the stretch components of Expectation 1, which will expire on December 31, 2002.
Measure 1: Accelerate 300 Area Cleanup Expectation 1: Deactivate 324/327 Buildings	
Base: Complete 27 percent remaining 324/327-baseline work by June 30, 2002.	Complete; last report on this item.
Base: Complete B Cell cleanout and shipment of B Cell waste to 200 Area Burial Grounds.	Complete; last report on this item.
Stretch: Complete additional 2.5 percent remaining 324/327-baseline work.	Complete; last report on this item.

Expectation 2: Disposition surplus facilities	
Base: Disposition 3902A, 3802B & 303-K by September 30, 2001.	Complete; last report on this item.
Expectation 3: Disposition uranium billets, uranium dioxide, scrap materials in 200/300 Areas, and 303-K thorium-232 by September 30, 2001.	Complete; last report on this item.
Measure 2: Support RC contract transition	
Expectation 1:	
Stretch: Support RC contract transition by July 1, 2002.	Cancelled – Mod. 166 does not contain this PI. No fee will be assigned to the RCC transition task. This is the last report on this item.
FHI-M8A – 300 Area Cleanup	Contract Modification Number 166 (Mod. 166) supersedes all elements of M8A except the super stretch component of Measure 2, which will expire on December 31, 2002.
Measure 1: Maintain Progress on 300 Area Cleanup	
Expectation 1: 324 Building Spent Nuclear Fuel removal	
Base 1: Complete transfer of two NAC-1 casks by September 30, 2002.	Complete; last report on this item.
Base 2: Complete transfer of two additional NAC-1 casks by November 20, 2002.	Complete; last report on this item.
Stretch: Complete transfer of fifth NAC-1 cask by November 20, 2002.	Complete; last report on this item.
Measure 2: Accelerate Progress on 300 Area Cleanup	This measure was retained in Mod. 166 through December 31, 2002, for final verification of completion and payment.
Expectation 1: Accelerate removal of Spent Nuclear Fuel and Special Nuclear Materials from the 324 Building	
Super Stretch 1: Complete transfer of sixth NAC-1 cask by November 20, 2002, or 90 days after award of River Corridor Contract, but not later than December 20, 2002.	Complete.
Super Stretch 2: Complete transfer of pins and pieces by November 20, 2002, or 90 days after award of River Corridor Contract, but not later than December 20, 2002.	Complete.

ISSUES

Technical, Regulatory, DOE and External Issues and DOE Requests

None to report.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS

BCR No. Level 4 WBS	Date Originated	Description	Impact		Date Approved	Status
			Days	Dollars ($000s)		
FY 2002						
RC06-02-007 3.1.6.4	4/22/02	River Corridor Prj (RCP) Transition Activities		$624		BCR will be held until the River Corridor Contract is awarded.
RC06-02-010 3.1.6.4	8/19/02	Delete Milestone TRP-02-701 for River Corridor Contract Award and Transition			11/11/02	Implemented for November reporting.
FY 2003						
RC06-03-001 3.1.6.1	10/4/02	Authorize Performance of 324 SNF/SNM Superstretch		NA	10/18/02	Implemented for November reporting.